Index of Authors

Abadias, M., Teixidó, N., Usall, J. & Viñas, I. Optimization of growth conditions of the postharvest biocontrol agent *Candida sake* CPA-1 in a lab-scale fermenter, 301

Abdullah, A.I., Hart, C.A. & Winstanley, C. Molecular characterization and distribution of virulence-associated genes amongst *Aeromonas* isolates from Libya, 1001

Abuqaddom, A.I., Darwish, R.M. & Muti, H. The effects of some formulation factors used in ophthalmic preparations on thiomersal activity against *Pseudomonas aeruginosa* and *Staphylococcus aureus*, 250

Addison, R.M. *see* Cole, E.C.

Ahn, Y.-J. *see* Cho, S.-H.

Alarcón, B. *see* Aznar, R.

Aldus, C.F., van Amerongen, A., Ariëns, R.M.C., Peck, M.W., Wichers, J.H. & Wyatt, G.M. Principles of some novel rapid dipstick methods for detection and characterization of verotoxigenic *Escherichia coli*, 380

Alfano, G. *see* Lustrato, G.

Allan, E.J. *see* Tsomlexoglou, E.

Allison, D.G. *see* Sufya, N.

Alviano, C.S. *see* von der Weid, I.

Alviano, D.S. *see* von der Weid, I.

van Amerongen, A. *see* Aldus, C.F.

Amico, C. *see* Gentile, G.

Ampe, F. *see* Pintado, J.

An, Q. *see* Li, X.

Andersen, J.S. *see* Wainø, M.

Aníbal Disalvo, E. *see* Gómez Zavaglia, A.

Anjum, M. *see* Delsol, A.A.

Archer, R.H. *see* Welman, A.D.

Ariëns, R.M.C. *see* Aldus, C.F.

Arrabaça, J.D. *see* Veiga, A.

Arrault, S. *see* Desaint, S.

Arvanitidou, M., Vayona, A., Spanakis, N. & Tsakris, A. Occurrence and antimicrobial resistance of Gram-negative bacteria isolated in haemodialysis water and dialysate of renal units: results of a Greek multicentre study, 180

Atabay, H.I. *see* On, S.L.W.

Attwood, G.T. *see* Klieve, A.V.

Aznar, R. & Alarcón, B. PCR detection of *Listeria monocytogenes*: a study of multiple factors affecting sensitivity, 958

Bacchiocchi, S. *see* Ottaviani, D.

Bae, S.-M. *see* Lee, T.-H.

Baggiani, A. *see* Salvetti, S.

Bakeri, S.A., Yasin, R.M., Koh, Y.T., Puthucheary, S.D. & Thong, K.L. Genetic diversity of human isolates of *Salmonella enterica* serovar Enteritidis in Malaysia, 773

Balebona, M.C. *see* Zorrilla, I.

Bang, D.D. *see* Wainø, M.

Barbosa, H.R. *see* Thuler, D.S.

Barker, J., Naceni, M. & Bloomfield, S.F. The effects of cleaning and disinfection in reducing *Salmonella* contamination in a laboratory model kitchen, 1351

Barratt, S.R., Ennos, A.R., Greenhalgh, M., Robson, G.D. & Handley, P.S. Fungi are the predominant micro-organisms responsible for degradation of soil-buried polyester polyurethane over a range of soil water holding capacities, 78

Bashir, R. *see* Geng, T.

Basilio, A., González, I., Vicente, M.F., Gorrochategui, J., Cabello, A., González, A. & Genilloud, O. Patterns of antimicrobial activities from soil actinomycetes isolated under different conditions of pH and salinity, 814

Belli, C. *see* Lustrato, G.

Bensoussan, M. *see* Sautour, M.

Berg, G. *see* Suckstorff, I.

Bergmaier, D., Champagne, C.P. & Lacroix, C. Exopolysaccharide production during batch cultures with free and immobilized *Lactobacillus rhamnosus* RW-9595M, 1049

Bettelheim, K.A. & Beutin, L. Rapid laboratory identification and characterization of verocytotoxigenic (Shiga toxin producing) *Escherichia coli* (VTEC/STEC), 205

Beuchat, L.R. *see* Ryu, J.-H.

Beuchat, L.R. *see* Wade, W.N.

Beutin, L. *see* Bettelheim, K.A.

Beutin, L. *see* Urdahl, A.M.

Bhatnagar, D. *see* Yu, J.

Bhosale, P., Jogdand, V.V. & Gadre, R.V. Stability of β-carotene in spray dried preparation of *Rhodotorula glutinis* mutant 32, 584

Bhunia, A.K. *see* Davis, K.C.

Bhunia, A.K. *see* Geng, T.

Bintsis, T., Vafopoulou-Mastrojiannaki, A., Litopoulou-Tzanetaki, E. & Robinson, R.K. Protease, peptidase and esterase activities by lactobacilli and yeast isolates from Feta cheese brine, 68

Bisgaard, M. *see* Christensen, H.

Blair, I.S. *see* Catarame, T.M.G.

Blair, I.S. *see* McEvoy, J.M.

Blake, D.P., Hillman, K., Fenlon, D.R. & Low, J.C. Transfer of antibiotic resistance between commensal and pathogenic members of the Enterobacteriaceae under ileal conditions, 428

Blanco, M.T. *see* Pérez-Giraldo, C.

Bloomfield, S.F. *see* Barker, J.

Bonasera, V. *see* Gentile, G.

Boote, V. *see* Mahmoudabadi, A.Z.

Bordons, A. *see* Reguant, C.

Borgmann-Strahsen, R. *see* Langsrud, S.
Borrego, J.J. *see* Zorrilla, I.
Botteldoorn, N., Heyndrickx, M., Rijpens, N., Grijspeerdt, K. & Herman, L. *Salmonella* on pig carcasses: positive pigs and cross contamination in the slaughterhouse, 891
Boudabous, A. *see* Cherif, A.
Bourne, D.G. *see* Oakey, H.J.
Breeuwer, P., Lardeau, A., Peterz, M. & Joosten, H.M. Desiccation and heat tolerance of *Enterobacter sakazakii*, 967
Bretz, W.A. *see* Miorin, P.L.
Brück, W.M., Graverholt, G. & Gibson, G.R. A two-stage continuous culture system to study the effect of supplemental α-lactalbumin and glycomacropeptide on mixed cultures of human gut bacteria challenged with enteropathogenic *Escherichia coli* and *Salmonella* serotype Typhimurium, 44
Bruneel, O., Personné, J.-C., Casiot, C., Leblanc, M., Elbaz-Poulichet, F., Mahler, B.J., Le Flèche, A. & Grimont, P.A.D. Mediation of arsenic oxidation by *Thiomonas* sp. in acid-mine drainage (Carnoulès, France), 492
Budde, B.B. *see* Jacobsen, T.
Butião, F. *see* Falcón, R.

Cabello, A. *see* Basilio, A.
Cabrera-Martinez, R.-M. *see* Tovar-Rojo, F.
Campos, C. *see* Durán, A.E.
Cantoni, C. *see* Manzano, M.
Cantor, M.D. *see* Ouoba, L.I.I.
Carbonell, V.G. *see* Falcón, R.
Carroll, C. *see* Murphy, C.
Carson, C.F. *see* Hammer, K.A.
Caruso, G., Mancuso, M. & Crisafi, E. Combined fluorescent antibody assay and viability staining for the assessment of the physiological states of *Escherichia coli* in seawaters, 225
Casey, G.D. & Dobson, A.D.W. Molecular detection of *Candida krusei* contamination in fruit juice using the citrate synthase gene *cs1* and a potential role for this gene in the adaptive response to acetic acid, 13
Casiot, C. *see* Bruneel, O.
Castro, D. *see* Zorrilla, I.
Catarame, T.M.G., O'Hanlon, K.A., Duffy, G., Sheridan, J.J., Blair, I.S. & McDowell, D.A. Optimization of enrichment and plating procedures for the recovery of *Escherichia coli* O111 and O26 from minced beef, 949
Celandroni, F. *see* Salvetti, S.
Champagne, C.P. *see* Bergmaier, D.
Chandrashekar, A. *see* Padmapriya, B.P.
Chang, C.-S. *see* Joo, H.-S.
Chehimi, S. *see* Cherif, A.
Chen, J., Yu, J., Tang, L., Tang, M., Shi, Y. & Pang, Y. Comparison of the expression of *Bacillus thuringiensis* full-length and N-terminally truncated *vip3A* gene in *Escherichia coli*, 310
Cherif, A., Chehimi, S., Limem, F., Hansen, B.M., Hendriksen, N.B., Daffonchio, D. & Boudabous, A. Detection and characterization of the novel bacteriocin entomocin 9, and safety evaluation of its producer, *Bacillus thuringiensis* ssp. *entomocidus* HD9, 990
Cheun, H.I., Makino, S.-I., Watarai, M., Erdenebaatar, J., Kawamoto, K. & Uchida, I. Rapid and effective detection of anthrax spores in soil by PCR, 728
Chihib, N.E. *see* Sautour, M.
Chizhikov, V. *see* Volokhov, D.
Cho, S.-H., Na, Y.-E. & Ahn, Y.-J. Growth-inhibiting effects of seco-tanapartholides identified in *Artemisia princeps var. orientalis* whole plant on human intestinal bacteria, 7
Christensen, H., Foster, G., Christensen, J.P., Pennycott, T., Olsen, J.E. & Bisgaard, M. Phylogenetic analysis by 16S rDNA gene sequence comparison of avian taxa of Bisgaard and characterization and description of two new taxa of *Pasteurellaceae*, 354
Christensen, H. *see* Montes, M.
Christensen, J.P. *see* Christensen, H.
Chumakov, K. *see* Volokhov, D.
Cleveland, T.E. *see* Yu, J.
Cocolin, L. *see* Marshall, M.N.
Codony, F., Domenico, P. & Mas, J. Assessment of bismuth thiols and conventional disinfectants on drinking water biofilms, 288
Cole, E.C., Addison, R.M., Rubino, J.R., Leese, K.E., Dulaney, P.D., Newell, M.S., Wilkins, J., Gaber, D.J., Wineinger, T. & Criger, D.A. Investigation of antibiotic and antibacterial agent cross-resistance in target bacteria from homes of antibacterial product users and nonusers, 664
Collet, C., Schwitzguébel, J.-P. & Péringer, P. Improvement of acetate production from lactose by growing *Clostridium thermolacticum* in mixed batch culture, 824
Colwell, R.R. *see* Karunasagar, I.
Comi, G. *see* Manzano, M.
Conejero, M.J.U. & Hedreyda, C.T. Isolation of partial *toxR* gene of *Vibrio harveyi* and design of *toxR*-targeted PCR primers for species detection, 602
Corradini, M.G. & Peleg, M. A model of microbial survival curves in water treated with a volatile disinfectant, 1268
Correa, O.S. *see* Romero, A.M.

Courtney, J. *see* Moore, J.E.
Coventry, M.J. *see* McCann, K.B.
Cowan, A.E. *see* Setlow, B.
Coxon, S.M. *see* Davies, R.H.
Criger, D.A. *see* Cole, E.C.
Crisafi, E. *see* Caruso, G.
Cruz-Villalón, G. *see* Pérez-Giraldo, C.
Cui, S., Schroeder, C.M., Zhang, D.Y. & Meng, J. Rapid sample preparation method for PCR-based detection of *Escherichia coli* O157:H7 in ground beef, 129
Cullen, B. *see* Oakey, H.J.
Custodio, A.R. *see* Miorin, P.L.
Czyż, A. *see* Węgrzyn, G.

Dacarro, C., Picco, A.M., Grisoli, P. & Rodolfi, M. Determination of aerial microbiological contamination in scholastic sports environments, 904
Daffonchio, D. *see* Cherif, A.
Dantigny, P. *see* Sautour, M.
Dargatz, D.A., Fedorka-Cray, P.J., Ladely, S.R., Kopral, C.A., Ferris, K.E. & Headrick, M.L. Prevalence and antimicrobial susceptibility of *Salmonella* spp. isolates from US cattle in feedlots in 1999 and 2000, 753
Darwish, R.M. *see* Abuqaddom, A.I.
D'Souza, D.H. & Jaykus, L.-A. Nucleic acid sequence based amplification for the rapid and sensitive detection of *Salmonella enterica* from foods, 1343
Daulagala, P.W.H.K.P. *see* Tsomlexoglou, E.
Davies, R.H., Heath, P.J., Coxon, S.M. & Sayers, A.R. Evaluation of the use of pooled serum, pooled muscle tissue fluid (meat juice) and pooled faeces for monitoring pig herds for *Salmonella*, 1016
Davis, K.C., Nakatsu, C.H., Turco, R., Weagant, S.D. & Bhunia, A.K. Analysis of environmental *Escherichia coli* isolates for virulence genes using the TaqMan® PCR system, 612
De Antoni, G. *see* Gómez Zavaglia, A.
Delsol, A.A., Anjum, M., Woodward, M.J., Sunderland, J. & Roe, J.M. The effect of chlortetracycline treatment and its subsequent withdrawal on multi-resistant *Salmonella enterica* serovar Typhimurium DT104 and commensal *Escherichia coli* in the pig, 1226
Desaint, S., Arrault, S., Siblot, S. & Fournier, J.-C. Genetic transfer of the *mcd* gene in soil, 102
Diawara, B. *see* Ouoba, L.I.I.
Dickinson, M. *see* Warriner, K.
Dilasser, F. *see* Letertre, C.
Dobson, A.D.W. *see* Casey, G.D.
Dobson, A.D.W. *see* Soden, D.M.
Dockter, M.R. *see* Logue, C.M.
Doherty, A.M. *see* McEvoy, J.M.
Domenico, P. *see* Codony, F.
Dousset, X. *see* Rachman, C.N.
Drucker, D.B. *see* Mahmoudabadi, A.Z.
Duffy, G. *see* Catarame, T.M.G.
Dulaney, P.D. *see* Cole, E.C.
Durán, A.E., Muniesa, M., Mocé-Llivina, L., Campos, C., Jofre, J. & Lucena, F. Usefulness of different groups of bacteriophages as model micro-organisms for evaluating chlorination, 29

Edge, V. *see* Foster, G.
Edwards, M.R. *see* Lloyd, D.
Elbaz-Poulichet, F. *see* Bruneel, O.
Elborn, J.S. *see* Moore, J.E.
Elijah, L.M. *see* Logue, C.M.
Ennos, A.R. *see* Barratt, S.R.
Erdenebaatar, J. *see* Cheun, H.I.
Etcheverry, M. *see* Nesci, A.
Ezura, Y. *see* Ootsubo, M.

Fach, P. *see* Letertre, C.
Fadl, A.A. *see* Khan, M.I.
Falcón, R., Carbonell, V.G., Figueredo, P.M.S., Butião, F., Saridakis, H.O., Pelayo, J.S. & Yano, T. Intracellular vacuolation induced by culture filtrates of *Plesiomonas shigelloides* isolated from environmental sources, 273
Farías, M.E. & Manca de Nadra, M.C. Flocculation and cell surface characterization of *Kloeckera apiculata* from wine, 457
Farto, R. *see* Montes, M.
Fedorka-Cray, P.J. *see* Dargatz, D.A.
Fenlon, D.R. *see* Blake, D.P.
Fernandez Murga, M.L. *see* Taranto, M.P.
Ferris, K.E. *see* Dargatz, D.A.
Fiedurek, J. *see* Skowronek, M.
Figueredo, P.M.S. *see* Falcón, R.
Filya, I. The effect of *Lactobacillus buchneri*, with or without homofermentative lactic acid bacteria, on the fermentation, aerobic stability and ruminal degradability of wheat, sorghum and maize silages, 1080
Finnan, T. *see* Rodríguez-Echeverría, S.
Fliss, I. *see* Touré, R.
Floh, E.I.S. *see* Thuler, D.S.
Florin, T.H.J. *see* Wang, X.
Forster, R.J. *see* Klieve, A.V.
Foster, G., Hopkins, G.F., Gunn, G.J., Ternent, H.E., Thomson-Carter, F., Knight, H.I., Graham, D.J.L., Edge, V. & Synge, B.A. A comparison of two pre-enrichment media prior to immunomagnetic separation for the isolation of *E. coli* O157 from bovine faeces, 155

Foster, G. *see* Christensen, H.
Fournier, J.-C. *see* Desaint, S.
Francis, G.A. *see* Sleator, R.D.
Fricker, C.R. *see* Niemela, S.I.
Frisvad, J.C. *see* Lund, F.
Fujisawa, T. *see* Park, S.H.

Gaber, D.J. *see* Cole, E.C.
Gadre, R.V. *see* Bhosale, P.
Gahan, C.G.M. *see* Sleator, R.D.
Garvey, P. *see* McEvoy, J.M.
Gatti, M., Lazzi, C., Rossetti, L., Mucchetti, G. & Neviani, E. Biodiversity in *Lactobacillus helveticus* strains present in natural whey starter used for Parmigiano Reggiano cheese, 463
Geng, T., Kim, K.P., Gomez, R., Sherman, D.M., Bashir, R., Ladisch, M.R. & Bhunia, A.K. Expression of cellular antigens of *Listeria monocytogenes* that react with monoclonal antibodies C11E9 and EM-7G1 under acid-, salt- or temperature-induced stress environments, 762
Genilloud, O. *see* Basilio, A.
Gentile, G., Bonasera, V., Amico, C., Giuliano, L. & Yakimov, M.M. *Shewanella* sp. *GA-22*, a psychrophilic hydrocarbonoclastic antarctic bacterium producing polyunsaturated fatty acids, 1124
Ghaemi, N. *see* Shahhoseini, M.
Ghelardi, E. *see* Salvetti, S.
Gibson, G.R. *see* Brück, W.M.
Gilbert, P. *see* Sufya, N.
Giuliano, L. *see* Gentile, G.
Giusto, C. *see* Manzano, M.
Glover, L.A. *see* Tsomlexoglou, E.
Goh, Y.L., Yasin, R., Puthucheary, S.D., Koh, Y.T., Lim, V.K.E., Taib, Z. & Thong, K.L. DNA fingerprinting of human isolates of *Salmonella enterica* serotype Paratyphi B in Malaysia, 1134
Gómez Zavaglia, A., Tymczyszyn, E., De Antoni, G. & Aníbal Disalvo, E. Action of trehalose on the preservation of *Lactobacillus delbrueckii* ssp. *bulgaricus* by heat and osmotic dehydration, 1315
Gomez, R. *see* Geng, T.
Gómez-García, A.C. *see* Pérez-Giraldo, C.
González, A. *see* Basilio, A.
González, I. *see* Basilio, A.
González-López, J. *see* Tejera, N.A.
Gooday, G.W. *see* Tsomlexoglou, E.
Gordon, C. & Toze, S. Influence of groundwater characteristics on the survival of enteric viruses, 536
Gorrochategui, J. *see* Basilio, A.
Graham, D.J.L. *see* Foster, G.
Grant, I.R., Kirk, R.B., Hitchings, E. & Rowe, M.T. Comparative evaluation of the MGIT™ and BACTEC culture systems for the recovery of *Mycobacterium avium* subsp. *paratuberculosis* from milk, 196
Graverholt, G. *see* Brück, W.M.
Grazia, L. *see* Lustrato, G.
Greenhalgh, M. *see* Barratt, S.R.
Grijspeerdt, K. *see* Botteldoorn, N.
Grimont, P.A.D. *see* Bruneel, O.
Grisoli, P. *see* Dacarro, C.
Gu, M.B. *see* Min, J.
Guilhem, M.-C. *see* Sautour, M.
Gulmez, M. & Guven, A. Survival of *Escherichia coli* O157:H7, *Listeria monocytogenes* 4b and *Yersinia enterocolitica* O3 in different yogurt and kefir combinations as prefermentation contaminant, 631
Gunn, G.J. *see* Foster, G.
Guven, A. *see* Gulmez, M.
Guyot, J.P. *see* Pintado, J.

Hadar, R. *see* Mukherjee, M.
Hammer, K.A., Carson, C.F. & Riley, T.V. Antifungal activity of the components of *Melaleuca alternifolia* (tea tree) oil, 853
Handley, P.S. *see* Barratt, S.R.
Handro, W. *see* Thuler, D.S.
Hansen, B.M. *see* Cherif, A.
Harrington, C.S., Moran, L., Ridley, A.M., Newell, D.G. & Madden, R.H. Inter-laboratory evaluation of three flagellin PCR/RFLP methods for typing *Campylobacter jejuni* and *C. coli*: the CAMPYNET experience, 1321
Harrington, C.S. *see* On, S.L.W.
Harris, J.C. *see* Lloyd, D.
Hart, C.A. *see* Abdullah, A.I.
Hayakawa, M. *see* Yamamura, H.
Headrick, M.L. *see* Dargatz, D.A.
Heath, P.J. *see* Davies, R.H.
Heazlewood, S.P. *see* Wang, X.
Hedreyda, C.T. *see* Conejero, M.J.U.
Heikkilä, M.P. & Saris, P.E.J. Inhibition of *Staphylococcus aureus* by the commensal bacteria of human milk, 471
Hendriksen, N.B. *see* Cherif, A.
Hennessy, D. *see* Klieve, A.V.
Herman, L. *see* Botteldoorn, N.
Heyndrickx, M. *see* Botteldoorn, N.
Hickey, R.M., Twomey, D.P., Ross, R.P. & Hill, C. Potential of the enterocin regulatory system to control expression of heterologous genes in *Enterococcus*, 390

Hill, C. *see* Hickey, R.M.
Hill, C. *see* O'Sullivan, L.
Hill, C. *see* Sleator, R.D.
Hillman, K. *see* Blake, D.P.
Hitchings, E. *see* Grant, I.R.
Ho, M.-S. *see* Rajan, P.R.
Hoffmann, S. *see* Schwartz, T.
Hopkins, G.F. *see* Foster, G.
Hornez, J.P. *see* Sautour, M.
Horwitz, B.A. *see* Mukherjee, M.
Hughes, M.N. *see* Lloyd, D.
Huq, A. *see* Karunasagar, I.

Iacumin, L. *see* Manzano, M.
Iimura, Y. *see* Yamamura, H.
Ikeda, J.S. *see* Samelis, J.
Ingham, S.C. *see* Maus, J.E.
Iorizzo, M. *see* Lustrato, G.
Ishii, K. & Takii, S. Comparison of microbial communities in four different composting processes as evaluated by denaturing gradient gel electrophoresis analysis, 109
Itoh, K. *see* Park, S.H.

Jacobsen, T., Budde, B.B. & Koch, A.G. Application of *Leuconostoc carnosum* for biopreservation of cooked meat products, 242
Jagannath, A., Nakamura, I. & Tsuchido, T. Modelling the combined effects of pH, temperature and sodium chloride stresses on the thermal inactivation of *Bacillus subtilis* spores in a buffer system, 135
Jakobsen, M. *see* Ouoba, L.I.I.
Jaoua, S. *see* Tounsi, S.
Jassim, S.A.A. & Naji, M.A. A REVIEW: Novel antiviral agents: a medicinal plant perspective, 412
Jaykus, L.-A. *see* D'Souza, D.H.
Jeong, S.H. *see* Lee, S.H.
Jiménez, S.M., Tiburzi, M.C., Salsi, M.S., Pirovani, M.E. & Moguilevsky, M.A. The role of visible faecal material as a vehicle for generic *Escherichia coli*, coliform, and other enterobacteria contaminating poultry carcasses during slaughtering, 451
Jofre, J. *see* Durán, A.E.
Jogdand, V.V. *see* Bhosale, P.
Johnson, E. *see* Mahmoudabadi, A.Z.
Joo, H.-S., Kumar, C.G., Park, G.-C., Paik, S.R. & Chang, C.-S. Oxidant and SDS-stable alkaline protease from *Bacillus clausii* I-52: production and some properties, 267
Joosten, H.M. *see* Breeuwer, P.
Jordan, K.N. *see* Murphy, C.
Joseph, B. *see* Karunasagar, I.

Kabadjova, P. *see* Rachman, C.N.
Karunasagar, I., Rivera, I., Joseph, B., Kennedy, B., Shetty, V.R., Huq, A., Karunasagar, I. & Colwell, R.R. *omp*U genes in non-toxigenic *Vibrio cholerae* associated with aquaculture, 338
Karunasagar, I. *see* Karunasagar, I.
Kawamoto, K. *see* Cheun, H.I.
Kennedy, B. *see* Karunasagar, I.
Kerouault, B. *see* Michel, C.
Khan, M.I., Fadl, A.A. & Venkitanarayanan, K.S. Reducing colonization of *Salmonella* Enteritidis in chicken by targeting outer membrane proteins, 142
Kheadr, E. *see* Touré, R.
Kiers, J.L., Meijer, J.C., Nout, M.J.R., Rombouts, F.M., Nabuurs, M.J.A. & van der Meulen, J. Effect of fermented soya beans on diarrhoea and feed efficiency in weaned piglets, 545
Kim, K.P. *see* Geng, T.
Kim, M.-D. *see* Lee, T.-H.
Kim, S.-J. *see* Lee, D.-G.
Kirk, R.B. *see* Grant, I.R.
Klieve, A.V., Hennessy, D., Ouwerkerk, D., Forster, R.J., Mackie, R.I. & Attwood, G.T. Establishing populations of *Megasphaera elsdenii* YE 34 and *Butyrivibrio fibrisolvens* YE 44 in the rumen of cattle fed high grain diets, 621
Knight, H.I. *see* Foster, G.
Kobalka, P. *see* Sahin, O.
Koch, A.G. *see* Jacobsen, T.
Koh, Y.T. *see* Bakeri, S.A.
Koh, Y.T. *see* Goh, Y.L.
Kopral, C.A. *see* Dargatz, D.A.
Krause, D.O. *see* Wang, X.
Kumar, C.G. *see* Joo, H.-S.

Lacroix, C. *see* Bergmaier, D.
Lacroix, C. *see* Touré, R.
Ladely, S.R. *see* Dargatz, D.A.
Ladisch, M.R. *see* Geng, T.
Lambert, R. *see* Lambert, R.J.W.
Lambert, R.J.W. & Lambert, R. A model for the efficacy of combined inhibitors, 734
Lambert, R.J.W. A model for the thermal inactivation of micro-organisms, 500
Langsrud, S., Møretrø, T. & Sundheim, G. Characterization of *Serratia marcescens* surviving in disinfecting footbaths, 186
Langsrud, S., Sundheim, G. & Borgmann-Strahsen, R. Intrinsic and acquired resistance to quaternary ammonium compounds in food-related *Pseudomonas* spp., 874
Lardeau, A. *see* Breeuwer, P.

Larsen, J.L. *see* Montes, M.
Lazzi, C. *see* Gatti, M.
Le Flèche, A. *see* Bruneel, O.
Leblanc, M. *see* Bruneel, O.
Lee, A. *see* McCann, K.B.
Lee, D.-G. & Kim, S.-J. Bacterial species in biofilm cultivated from the end of the Seoul water distribution system, 317
Lee, J.V. *see* Niemela, S.I.
Lee, S.H., Jeong, S.H. & Park, Y.-M. Characterization of bla_{CMY-10} a novel, plasmid-encoded AmpC-type β-lactamase gene in a clinical isolate of *Enterobacter aerogenes*, 744
Lee, T.-H., Kim, M.-D., Park, Y.-C., Bae, S.-M., Ryu, Y.-W. & Seo, J.-H. Effects of xylulokinase activity on ethanol production from D-xylulose by recombinant *Saccharomyces cerevisiae*, 847
Leese, K.E. *see* Cole, E.C.
Letertre, C., Perelle, S., Dilasser, F. & Fach, P. Identification of a new putative enterotoxin SEU encoded by the *egc* cluster of *Staphylococcus aureus*, 38
Levy Junior, N.C. *see* Miorin, P.L.
Levy, N. *see* Oakey, H.J.
Li, X., Zhao, C., An, Q. & Zhang, D. Substrate induction of isomaltulose synthase in a newly isolated *Klebsiella* sp. LX3, 521
Li, Y. *see* Ye, F.X.
Lim, V.K.E. *see* Goh, Y.L.
Limem, F. *see* Cherif, A.
Lin, J.H.-Y. *see* Rajan, P.R.
Litopoulou-Tzanetaki, E. *see* Bintsis, T.
Lloyd, D., Harris, J.C., Maroulis, S., Mitchell, A., Hughes, M.N., Wadley, R.B. & Edwards, M.R. Nitrosative stress induced cytotoxicity in *Giardia intestinalis*, 576
Lluch, C. *see* Tejera, N.A.
Logue, C.M., Sherwood, J.S., Elijah, L.M., Olah, P.A. & Dockter, M.R. The incidence of *Campylobacter* spp. on processed turkey from processing plants in the midwestern United States, 234
Lorca, G. *see* Taranto, M.P.
Loureiro-Dias, M.C. *see* Veiga, A.
Low, J.C. *see* Blake, D.P.
Lübbehüsen, T.L., Nielsen, J. & McIntyre, M. Characterization of the *Mucor circinelloides* life cycle by on-line image analysis, 1152
Lucena, F. *see* Durán, A.E.
Lund, F. & Frisvad, J.C. *Penicillium verrucosum* in wheat and barley indicates presence of ochratoxin A, 1117
Lund, M. *see* Wainø, M.
Lustrato, G., Alfano, G., Belli, C., Grazia, L., Iorizzo, M., Maiuro, L., Massarella, F., Zanardini, E. & Ranalli, G. Controlling grape must fermentation in early winemaking phases: the role of electrochemical treatment, 1087

Maarit Niemi, R., Mentu, J., Siitonen, A. & Niemelä, S.I. Confirmation of *Escherichia coli* and its distinction from *Klebsiella* species by gas and indole formation at 44 and 44.5°C, 1242
McAllister, T.A. *see* Stevenson, S.M.L.
McCann, K.B., Lee, A., Wan, J., Roginski, H. & Coventry, M.J. The effect of bovine lactoferrin and lactoferricin B on the ability of feline calicivirus (a norovirus surrogate) and poliovirus to infect cell cultures, 1026
McDowell, D.A. *see* Catarame, T.M.G.
McDowell, D.A. *see* McEvoy, J.M.
McEvoy, J.M., Doherty, A.M., Sheridan, J.J., Thomson-Carter, F.M., Garvey, P., McGuire, L., Blair, I.S. & McDowell, D.A. The prevalence and spread of *Escherichia coli* O157:H7 at a commercial beef abattoir, 256
McGuire, L. *see* McEvoy, J.M.
McIntyre, M. *see* Lübbehüsen, T.L.
Mackie, R.I. *see* Klieve, A.V.
Madden, R.H. *see* Harrington, C.S.
Maddox, I.S. *see* Welman, A.D.
Madsen, M. *see* Wainø, M.
Maeda, M. *see* Ohgushi, A.
Mahler, B.J. *see* Bruneel, O.
Mahmoudabadi, A.Z., Boote, V., Verran, J., Johnson, E. & Drucker, D.B. Phospholipid molecular species distributions of *Candida* isolates from the UK and Iran, 883
Maiuro, L. *see* Lustrato, G.
Makino, S.-I. *see* Cheun, H.I.
Manca de Nadra, M.C. *see* Farías, M.E.
Mancuso, M. *see* Caruso, G.
Manzano, M., Giusto, C., Iacumin, L., Cantoni, C. & Comi, G. A molecular method to detect *Bacillus cereus* from a coffee concentrate sample used in industrial preparations, 1361
Marcucci, M.C. *see* Miorin, P.L.
Maroulis, S. *see* Lloyd, D.
Marshall, M.N., Cocolin, L., Mills, D.A. & Vander-Gheynst, J.S. Evaluation of PCR primers for denaturing gradient gel electrophoresis analysis of fungal communities in compost, 934
Martin, C. *see* Michel, C.
Martínez-Rubio, R. *see* Pérez-Giraldo, C.
Mary, P. *see* Sautour, M.
Mas, J. *see* Codony, F.
Masini, L. *see* Ottaviani, D.

Massarella, F. *see* Lustrato, G.
Maus, J.E. & Ingham, S.C. Employment of stressful conditions during culture production to enhance subsequent cold- and acid-tolerance of bifidobacteria, 146
Meijer, J.C. *see* Kiers, J.L.
Meng, J. *see* Cui, S.
Mentu, J. *see* Maarit Niemi, R.
van der Meulen, J. *see* Kiers, J.L.
Michel, C., Kerouault, B. & Martin, C. Chloramphenicol and florfenicol susceptibility of fish-pathogenic bacteria isolated in France: comparison of minimum inhibitory concentration, using recommended provisory standards for fish bacteria, 1008
Millar, B.C. *see* Moore, J.E.
Mills, D.A. *see* Marshall, M.N.
Min, J. & Gu, M.B. Acclimation and repair of DNA damage in recombinant bioluminescent *Escherichia coli*, 479
Miorin, P.L., Levy Junior, N.C., Custodio, A.R., Bretz, W.A. & Marcucci, M.C. Antibacterial activity of honey and propolis from *Apis mellifera* and *Tetragonisca angustula* against *Staphylococcus aureus*, 913
Mitchell, A. *see* Lloyd, D.
Mizuki, E. *see* Ohgushi, A.
Moccia, S. *see* Romero, A.M.
Mocé-Llivina, L. *see* Durán, A.E.
Moguilevsky, M.A. *see* Jiménez, S.M.
Mohawed, S.M. *see* Yu, J.
Montes, M., Farto, R., Pérez, M.J., Nieto, T.P., Larsen, J.L. & Christensen, H. Characterization of *Vibrio* strains isolated from turbot (*Scophthalmus maximus*) culture by phenotypic analysis, ribotyping and 16S rRNA gene sequence comparison, 693
Moore, J.E., Xu, J., Millar, B.C., Courtney, J. & Elborn, J.S. Development of a Gram-negative selective agar (GNSA) for the detection of Gram-negative microflora in sputa in patients with cystic fibrosis, 160
Moran, L. *see* Harrington, C.S.
Morck, D.W. *see* Stevenson, S.M.L.
Møretrø, T. *see* Langsrud, S.
Moriñigo, M.A. *see* Zorrilla, I.
Moroni, O. *see* Touré, R.
Mucchetti, G. *see* Gatti, M.
Mukherjee, M., Hadar, R., Mukherjee, P.K. & Horwitz, B.A. Homologous expression of a mutated beta-tubulin gene does not confer benomyl resistance on *Trichoderma virens*, 861
Mukherjee, P.K. *see* Mukherjee, M.
Muniesa, M. *see* Durán, A.E.
Murphy, C., Carroll, C. & Jordan, K.N. Identification of a novel stress resistance mechanism in *Campylobacter jejuni*, 704
Mussatto, S.I. & Roberto, I.C. Xylitol production from high xylose concentration: evaluation of the fermentation in bioreactor under different stirring rates, 331
Muti, H. *see* Abuqaddom, A.I.

Na, Y.-E. *see* Cho, S.-H.
Nabuurs, M.J.A. *see* Kiers, J.L.
Naeeni, M. *see* Barker, J.
Naji, M.A. *see* Jassim, S.A.A.
Nakamura, I. *see* Jagannath, A.
Nakatsu, C.H. *see* Davis, K.C.
Nasu, M. *see* Ogawa, M.
Nelis, H.J. *see* Vermis, K.
Nesci, A., Rodriguez, M. & Etcheverry, M. Control of *Aspergillus* growth and aflatoxin production using antioxidants at different conditions of water activity and pH, 279
Neviani, E. *see* Gatti, M.
Newell, D.G. *see* Harrington, C.S.
Newell, M.S. *see* Cole, E.C.
Nielsen, J. *see* Lübbehüsen, T.L.
Niemela, S.I., Lee, J.V. & Fricker, C.R. A comparison of the International Standards Organisation reference method for the detection of coliforms and *Escherichia coli* in water with a defined substrate procedure, 1285
Niemelä, S.I. *see* Maarit Niemi, R.
Nieto, T.P. *see* Montes, M.
Nordentoft, S. *see* Wainø, M.
Nout, M.J.R. *see* Kiers, J.L.

Oakey, H.J., Levy, N., Bourne, D.G., Cullen, B. & Thomas, A. The use of PCR to aid in the rapid identification of *Vibrio harveyi* isolates, 1293
O'Reilly, C. & Turner, P.D. The nitrilase family of CN hydrolysing enzymes – a comparative study, 1161
O'Sullivan, L., Ross, R.P. & Hill, C. A lacticin 481-producing adjunct culture increases starter lysis while inhibiting nonstarter lactic acid bacteria proliferation during Cheddar cheese ripening, 1235
O'Beirne, D. *see* Sleator, R.D.
Obst, U. *see* Schwartz, T.
Ogawa, M., Tani, K., Yamaguchi, N. & Nasu, M. Development of multicolour digital image analysis system to enumerate actively respiring bacteria in natural river water, 120
O'Hanlon, K.A. *see* Catarame, T.M.G.
Ohba, M. *see* Ohgushi, A.
Ohgushi, A., Wasano, N., Shisa, N., Saitoh, H., Mizuki, E., Maeda, M. & Ohba, M. Characterization of a mosquitocidal *Bacillus thuringiensis* serovar *sotto* strain isolated from Okinawa, Japan, 982

Olah, P.A. *see* Logue, C.M.
Olsen, J.E. *see* Christensen, H.
Olson, M.E. *see* Stevenson, S.M.L.
On, S.L.W., Harrington, C.S. & Atabay, H.I. Differentiation of *Arcobacter* species by numerical analysis of AFLP profiles and description of a novel *Arcobacter* from pig abortions and turkey faeces, 1096
Ootsubo, M., Shimizu, T., Tanaka, R., Sawabe, T., Tajima, K. & Ezura, Y. Seven-hour fluorescence *in situ* hybridization technique for enumeration of Enterobacteriaceae in food and environmental water sample, 1182
Ortega, E. *see* Tejera, N.A.
Osek, J. Development of a multiplex PCR approach for the identification of Shiga toxin-producing *Escherichia coli* strains and their major virulence factor genes, 1217
Ottaviani, D., Masini, L. & Bacchiocchi, S. A biochemical protocol for the isolation and identification of current species of *Vibrio* in seafood, 1277
Ouoba, L.I.I., Cantor, M.D., Diawara, B., Traoré, A.S. & Jakobsen, M. Degradation of African locust bean oil by *Bacillus subtilis* and *Bacillus pumilus* isolated from soumbala, a fermented African locust bean condiment, 868
Ouwerkerk, D. *see* Klieve, A.V.

Padmapriya, B.P., Ramesh, A., Chandrashekar, A. & Varadaraj, M.C. Staphylococcal accessory gene regulator (sar) as a signature gene to detect enterotoxigenic staphylococci, 974
Paik, S.R. *see* Joo, H.-S.
Pang, Y. *see* Chen, J.
Park, G.-C. *see* Joo, H.-S.
Park, S.H., Itoh, K. & Fujisawa, T. Characteristics and identification of enterocins produced by *Enterococcus faecium* JCM 5804^{T}, 294
Park, Y.-C. *see* Lee, T.-H.
Park, Y.-M. *see* Lee, S.H.
Peck, M.W. *see* Aldus, C.F.
Pedersen, K. *see* Wainø, M.
Pelayo, J.S. *see* Falcón, R.
Peleg, M. *see* Corradini, M.G.
Pennycott, T. *see* Christensen, H.
Perelle, S. *see* Letertre, C.
Pérez, M.J. *see* Montes, M.
Pérez-Fernández, M.A. *see* Rodríguez-Echeverría, S.
Pérez-Giraldo, C., Cruz-Villalón, G., Sánchez-Silos, R., Martínez-Rubio, R., Blanco, M.T. & Gómez-García, A.C. *In vitro* activity of allicin against *Staphylococcus epidermidis* and influence of subinhibitory concentrations on biofilm formation, 709
Péringer, P. *see* Collet, C.
Personné, J.-C. *see* Bruneel, O.
Peterz, M. *see* Breeuwer, P.
Picco, A.M. *see* Dacarro, C.
Pintado, J., Guyot, J.P. & Ampe, F. Multiple competitive PCR–DGGE as a tool for quantifying and profiling defined mixed cultures of lactic acid bacteria during production of probiotics from complex polysaccharides, 921
Pirovani, M.E. *see* Jiménez, S.M.
Piuri, M., Sanchez-Rivas, C. & Ruzal, S.M. Adaptation to high salt in *Lactobacillus*: role of peptides and proteolytic enzymes, 372
Prévost, H. *see* Rachman, C.N.
Puthucheary, S.D. *see* Bakeri, S.A.
Puthucheary, S.D. *see* Goh, Y.L.

Rachman, C.N., Kabadjova, P., Prévost, H. & Dousset, X. Identification of *Lactobacillus alimentarius* and *Lactobacillus farciminis* with 16S–23S rDNA intergenic spacer region polymorphism and PCR amplification using species-specific oligonucleotide, 1207
Rajan, P.R., Lin, J.H.-Y., Ho, M.-S. & Yang, H.-L. Simple and rapid detection of *Photobacterium damselae* ssp. *piscicida* by a PCR technique and plating method, 1375
Ramesh, A. *see* Padmapriya, B.P.
Ranalli, G. *see* Lustrato, G.
Rasooly, A. *see* Volokhov, D.
Read, R.R. *see* Stevenson, S.M.L.
Reguant, C. & Bordons, A. Typification of *Oenococcus oeni* strains by multiplex RAPD-PCR and study of population dynamics during malolactic fermentation, 344
Ridley, A.M. *see* Harrington, C.S.
Rijpens, N. *see* Botteldoorn, N.
Riley, T.V. *see* Hammer, K.A.
Rivas, J.G. *see* Romero, A.M.
Rivera, I. *see* Karunasagar, I.
Roberto, I.C. *see* Mussatto, S.I.
Robinson, R.K. *see* Bintsis, T.
Robson, G.D. *see* Barratt, S.R.
Rodolfi, M. *see* Dacarro, C.
Rodriguez, M. *see* Nesci, A.
Rodríguez-Echeverría, S., Pérez-Fernández, M.A., Vlaar, S. & Finnan, T. Analysis of the legume–rhizobia symbiosis in shrubs from central western Spain, 1367
Roe, J.M. *see* Delsol, A.A.
Roginski, H. *see* McCann, K.B.
Rombouts, F.M. *see* Kiers, J.L.

Romero, A.M., Correa, O.S., Moccia, S. & Rivas, J.G. Effect of *Azospirillum*-mediated plant growth promotion on the development of bacterial diseases on fresh-market and cherry tomato, 832
Ross, R.P. *see* Hickey, R.M.
Ross, R.P. *see* O'Sullivan, L.
Rossetti, L. *see* Gatti, M.
Rowe, M.T. *see* Grant, I.R.
Rubino, J.R. *see* Cole, E.C.
Ruzal, S.M. *see* Piuri, M.
Ryu, J.-H. & Beuchat, L.R. Development of method to quantify extracellular carbohydrate complexes produced by *Escherichia coli* O157:H7, 1304
Ryu, Y.-W. *see* Lee, T.-H.

Sahin, O., Kobalka, P. & Zhang, Q. Detection and survival of *Campylobacter* in chicken eggs, 1070
Saitoh, H. *see* Ohgushi, A.
Salsi, M.S. *see* Jiménez, S.M.
Salvetti, S., Celandroni, F., Ghelardi, E., Baggiani, A. & Senesi, S. Rapid determination of vitamin B_2 secretion by bacteria growing on solid media, 1255
Samelis, J., Ikeda, J.S. & Sofos, J.N. Evaluation of the pH-dependent, stationary-phase acid tolerance in *Listeria monocytogenes* and *Salmonella* Typhimurium DT104 induced by culturing in media with 1% glucose: a comparative study with *Escherichia coli* O157:H7, 563
Sanchez-Rivas, C. *see* Piuri, M.
Sánchez-Silos, R. *see* Pérez-Giraldo, C.
Santos, A.L.S. *see* von der Weid, I.
Saridakis, H.O. *see* Falcón, R.
Saris, P.E.J. *see* Heikkilä, M.P.
Satyanarayana, T. *see* Uma Maheswar Rao, J.L.
Sautour, M., Dantigny, P., Guilhem, M.-C. & Bensoussan, M. Influence of inoculum preparation on the growth of *Penicillium chrysogenum*, 1034
Sautour, M., Mary, P., Chihib, N.E. & Hornez, J.P. The effects of temperature, water activity and pH on the growth of *Aeromonas hydrophila* and on its subsequent survival in microcosm water, 807
Sawabe, T. *see* Ootsubo, M.
Sayers, A.R. *see* Davies, R.H.
Schroeder, C.M. *see* Cui, S.
Schwartz, T., Hoffmann, S. & Obst, U. Formation of natural biofilms during chlorine dioxide and u.v. disinfection in a public drinking water distribution system, 591
Schwitzguébel, J.-P. *see* Collet, C.
Seddon, B. *see* Tsomlexoglou, E.
Seldin, L. *see* von der Weid, I.
Selinger, L.B. *see* Stevenson, S.M.L.
Senesi, S. *see* Salvetti, S.
Seo, J.-H. *see* Lee, T.-H.
Setlow, B., Cowan, A.E. & Setlow, P. Germination of spores of *Bacillus subtilis* with dodecylamine, 637
Setlow, B. *see* Tovar-Rojo, F.
Setlow, P. *see* Setlow, B.
Setlow, P. *see* Tovar-Rojo, F.
Setlow, P. *see* Young, S.B.
Shahhoseini, M., Ziaee, A.-A. & Ghaemi, N. Expression and secretion of an α-amylase gene from a native strain of *Bacillus licheniformis* in *Escherichia coli* by T7 promoter and putative signal peptide of the gene, 1250
Shaukat, S.S. & Siddiqui, I.A. Impact of biocontrol agents *Pseudomonas fluorescens* CHA0 and its genetically modified derivatives on the diversity of culturable fungi in the rhizosphere of mungbean, 1039
Shen, D.S. *see* Ye, F.X.
Sheridan, J.J. *see* Catarame, T.M.G.
Sheridan, J.J. *see* McEvoy, J.M.
Sherman, D.M. *see* Geng, T.
Sherwood, J.S. *see* Logue, C.M.
Shetty, V.R. *see* Karunasagar, I.
Shi, Y. *see* Chen, J.
Shimizu, T. *see* Ootsubo, M.
Shisa, N. *see* Ohgushi, A.
Siblot, S. *see* Desaint, S.
Siddiqui, I.A. *see* Shaukat, S.S.
Siitonen, A. *see* Maarit Niemi, R.
Skjerve, E. *see* Urdahl, A.M.
Skowronek, M. & Fiedurek, J. Selection of biochemical mutants of *Aspergillus niger* resistant to some abiotic stresses with increased inulinase production, 686
Sleator, R.D., Francis, G.A., O'Beirne, D., Gahan, C.G.M. & Hill, C. Betaine and carnitine uptake systems in *Listeria monocytogenes* affect growth and survival in foods and during infection, 839
Soares, E.V. & Vroman, A. Effect of different starvation conditions on the flocculation of *Saccharomyces cerevisiae*, 325
Soares, R.M.A. *see* von der Weid, I.
Soden, D.M. & Dobson, A.D.W. The use of amplified flanking region-PCR in the isolation of laccase promoter sequences from the edible fungus *Pleurotus sajor-caju*, 553
Sofos, J.N. *see* Samelis, J.
Spanakis, N. *see* Arvanitidou, M.
Spaniolas, S. *see* Warriner, K.
Stevenson, S.M.L., McAllister, T.A., Selinger, L.B., Yanke, L.J., Olson, M.E., Morck, D.W. & Read, R.R. Transfer of a rifampicin-resistant *Escherichia coli* strain among feedlot cattle, 398

Streeter, J.G. Effect of trehalose on survival of *Bradyrhizobium japonicum* during desiccation, 484
Suckstorff, I. & Berg, G. Evidence for dose-dependent effects on plant growth by *Stenotrophomonas* strains from different origins, 656
Sufya, N., Allison, D.G. & Gilbert, P. Clonal variation in maximum specific growth rate and susceptibility towards antimicrobials, 1261
Sunderland, J. *see* Delsol, A.A.
Sundheim, G. *see* Langsrud, S.
Synge, B.A. *see* Foster, G.

Taib, Z. *see* Goh, Y.L.
Tajima, K. *see* Ootsubo, M.
Takii, S. *see* Ishii, K.
Tanaka, R. *see* Ootsubo, M.
Tang, L. *see* Chen, J.
Tang, M. *see* Chen, J.
Tani, K. *see* Ogawa, M.
Taranto, M.P., Fernandez Murga, M.L., Lorca, G. & de Valdez, G.F. Bile salts and cholesterol induce changes in the lipid cell membrane of *Lactobacillus reuteri*, 86
Teixidó, N. *see* Abadias, M.
Tejera, N.A., Ortega, E., González-López, J. & Lluch, C. Effect of some abiotic factors on the biological activity of *Gluconacetobacter diazotrophicus*, 528
Ternent, H.E. *see* Foster, G.
Thomas, A. *see* Oakey, H.J.
Thomson-Carter, F. *see* Foster, G.
Thomson-Carter, F.M. *see* McEvoy, J.M.
Thong, K.L. *see* Bakeri, S.A.
Thong, K.L. *see* Goh, Y.L.
Thuler, D.S., Floh, E.I.S., Handro, W. & Barbosa, H.R. *Beijerinckia derxii* releases plant growth regulators and amino acids in synthetic media independent of nitrogenase activity, 799
Tiburzi, M.C. *see* Jiménez, S.M.
Tounsi, S., Zouari, N. & Jaoua, S. Cloning and study of the expression of a novel *cry1Ia*-type gene from *Bacillus thuringiensis* subsp. *kurstaki*, 23
Touré, R., Kheadr, E., Lacroix, C., Moroni, O. & Fliss, I. Production of antibacterial substances by bifidobacterial isolates from infant stool active against *Listeria monocytogenes*, 1058
Tovar-Rojo, F., Cabrera-Martinez, R.-M., Setlow, B. & Setlow, P. Studies on the mechanism of the osmoresistance of spores of *Bacillus subtilis*, 167
Toze, S. *see* Gordon, C.
Traoré, A.S. *see* Ouoba, L.I.I.
Tsakris, A. *see* Arvanitidou, M.
Tsomlexoglou, E., Daulagala, P.W.H.K.P., Gooday, G.W., Glover, L.A., Seddon, B. & Allan, E.J. Molecular detection and β-glucuronidase expression of *gus*-marked *Bacillus subtilis* L-form bacteria in developing Chinese cabbage seedlings, 218
Tsuchido, T. *see* Jagannath, A.
Turco, R. *see* Davis, K.C.
Turner, P.D. *see* O'Reilly, C.
Twomey, D.P. *see* Hickey, R.M.
Tymczyszyn, E. *see* Gómez Zavaglia, A.

Uchida, I. *see* Cheun, H.I.
Uma Maheswar Rao, J.L. & Satyanarayana, T. Statistical optimization of a high maltose-forming, hyperthermostable and Ca^{2+}-independent α-amylase production by an extreme thermophile *Geobacillus thermoleovorans* using response surface methodology, 712
Urdahl, A.M., Beutin, L., Skjerve, E., Zimmermann, S. & Wasteson, Y. Animal host associated differences in Shiga toxin-producing *Escherichia coli* isolated from sheep and cattle on the same farm, 92
Usall, J. *see* Abadias, M.

Vafopoulou-Mastrojiannaki, A. *see* Bintsis, T.
de Valdez, G.F. *see* Taranto, M.P.
Vandamme, P.A.R. *see* Vermis, K.
VanderGheynst, J.S. *see* Marshall, M.N.
Varadaraj, M.C. *see* Padmapriya, B.P.
Vayona, A. *see* Arvanitidou, M.
Veiga, A., Arrabaça, J.D. & Loureiro-Dias, M.C. Stress situations induce cyanide-resistant respiration in spoilage yeasts, 364
Venkitanarayanan, K.S. *see* Khan, M.I.
Vermis, K., Vandamme, P.A.R. & Nelis, H.J. *Burkholderia cepacia* complex genomovars: utilization of carbon sources, susceptibility to antimicrobial agents and growth on selective media, 1191
Verran, J. *see* Mahmoudabadi, A.Z.
Vicente, M.F. *see* Basilio, A.
Viñas, I. *see* Abadias, M.
Vlaar, S. *see* Rodríguez-Echeverría, S.
Volokhov, D., Chizhikov, V., Chumakov, K. & Rasooly, A. Microarray analysis of erythromycin resistance determinants, 787
Vroman, A. *see* Soares, E.V.

Wade, W.N. & Beuchat, L.R. Metabiosis of proteolytic moulds and *Salmonella* in raw, ripe tomatoes, 437

Wadley, R.B. *see* Lloyd, D.
Wainø, M., Bang, D.D., Lund, M., Nordentoft, S., Andersen, J.S., Pedersen, K. & Madsen, M. Identification of campylobacteria isolated from Danish broilers by phenotypic tests and species-specific PCR assays, 649
Waites, W.M. *see* Warriner, K.
Wan, J. *see* McCann, K.B.
Wang, X., Heazlewood, S.P., Krause, D.O. & Florin, T.H.J. Molecular characterization of the microbial species that colonize human ileal and colonic mucosa by using 16S rDNA sequence analysis, 508
Warriner, K., Spaniolas, S., Dickinson, M., Wright, C. & Waites, W.M. Internalization of bioluminescent *Escherichia coli* and *Salmonella* Montevideo in growing bean sprouts, 719
Wasano, N. *see* Ohgushi, A.
Wasteson, Y. *see* Urdahl, A.M.
Watarai, M. *see* Cheun, H.I.
Weagant, S.D. *see* Davis, K.C.
Węgrzyn, G. & Czyż, A. Detection of mutagenic pollution of natural environment using microbiological assays, 1175
von der Weid, I., Alviano, D.S., Santos, A.L.S., Soares, R.M.A., Alviano, C.S. & Seldin, L. Antimicrobial activity of *Paenibacillus peoriae* strain NRRL BD-62 against a broad spectrum of phytopathogenic bacteria and fungi, 1143
Welman, A.D., Maddox, I.S. & Archer, R.H. Screening and selection of exopolysaccharide-producing strains of *Lactobacillus delbrueckii* subsp. *bulgaricus*, 1200
Wichers, J.H. *see* Aldus, C.F.
Wilkins, J. *see* Cole, E.C.
Wineinger, T. *see* Cole, E.C.
Winstanley, C. *see* Abdullah, A.I.
Woodward, M.J. *see* Delsol, A.A.
Wright, C. *see* Warriner, K.
Wyatt, G.M. *see* Aldus, C.F.

Xu, J. *see* Moore, J.E.

Yakimov, M.M. *see* Gentile, G.
Yamaguchi, N. *see* Ogawa, M.
Yamamura, H., Hayakawa, M. & Iimura, Y. Application of sucrose-gradient centrifugation for selective isolation of Nocardia spp. from soil, 677
Yang, H.-L. *see* Rajan, P.R.
Yanke, L.J. *see* Stevenson, S.M.L.
Yano, T. *see* Falcón, R.
Yasin, R. *see* Goh, Y.L.
Yasin, R.M. *see* Bakeri, S.A.
Ye, F.X., Shen, D.S. & Li, Y. Reduction in excess sludge production by addition of chemical uncouplers in activated sludge batch cultures, 781
Young, S.B. & Setlow, P. Mechanisms of killing of *Bacillus subtilis* spores by hypochlorite and chlorine dioxide, 54
Yu, J., Mohawed, S.M., Bhatnagar, D. & Cleveland, T.E. Substrate-induced lipase gene expression and aflatoxin production in *Aspergillus parasiticus* and *Aspergillus flavus*, 1334
Yu, J. *see* Chen, J.

Zanardini, E. *see* Lustrato, G.
Zhang, D. *see* Li, X.
Zhang, D.Y. *see* Cui, S.
Zhang, Q. *see* Sahin, O.
Zhao, C. *see* Li, X.
Ziaee, A.-A. *see* Shahhoseini, M.
Zimmermann, S. *see* Urdahl, A.M.
Zorrilla, I., Moriñigo, M.A., Castro, D., Balebona, M.C. & Borrego, J.J. Intraspecific characterization of *Vibrio alginolyticus* isolates recovered from cultured fish in Spain, 1106
Zouari, N. *see* Tounsi, S.

Index of Subjects

16S rDNA gene sequence
  characterization of *A. niger* strains 693
  of human gut mucosal bacteria 508
  identification
    of *Bradyrhizobium* spp. 1367
    of *L.alimentarius/L.farciminis* 1207
    of *Vibrio harveyi*, rapid 1293
  new taxa of *Pasturellaceae* 354
  seven-hour FISH technique 1182

abiotic factors of biological activity of *G. diazotrophicus* 528
acclimation/repair of DNA damage in *E. coli* 479
acetate production from lactose in mixed batch culture 824
acetic acid adaptation 7
acid-mine drainage and arsenic oxidation 492
acid stress/tolerance
  acid tolerance response (ATR) of bacterial pathogens 563
  in bifidobacteria 146
  and *L. monocytogenes* antigen expression 762
actinomycetes, antimicrobial activities of 814
activated sludge and chemical uncouplers 781
aerobic stability of silages, improvement of 1080
aerobiological contamination of gyms 904
Aeromonas spp.
  A. hydrophilia growth/survival in microcosm water 807
  characterization/distribution of virulence genes 1001
aflatoxin production
  in *Aspergillus* spp. 1334
  control using antioxidants 279
AFLP analysis of *Arcobacter* spp. 1096
African locust bean oil degradation by *Bacillus* spp. 868
aldicarb-degrading bacteria 102
alkaline protease, oxidant/SDS-stable 267
allicin against *St. epidermidis* and biofilms 709
Alsina's scheme 1277
Alternaria alternata and *Salmonella* in tomatoes 437
Ames test 1175
amino acids from *B. derxii* 799
amplified flanking region-PCR (AFR-PCR) 553
α-amylase
  expression/secretion of gene 1250
  production optimization by G. thermoleovorans 712
animal host-associated differences in STEC 86
anthrax spores, rapid detection of, in soil 728
antibiotic resistance
  cross-resistance in home bacteria 664
  in fish pathogens 1008
  RREC transfer among feedlot cattle 398
  tetracycline resistance in pigs 1226
  in vitro transfer between Enterobacteriaceae 428
antibody reaction, effect of stressors on 762

antimicrobial activities
  antibacterial activity
    of bifidobacteria 1058
    of honey/propolis 913
  antifungal activity of tea tree oil components 853
  antiviral agents, novel 412
  combinations, modelling efficacy of 734
  of *Paenibacillus peoriae* 1143
  of soil actinomycetes 814
antimicrobial resistance/susceptibility
  antibacterial agent cross-resistance 664
  Burkholderia cepacia complex 1191
  clonal variation in *E. coli* 1261
  Gram-negatives in haemodialysis water/renal dialysate 180
  to *Salmonella* spp. in feedlot cattle 753
antioxidants in *Aspergillus*/aflatoxin production control 279
aquaculture, *omp* U genes in *Vibrio cholerae* from 338
Arcobacter spp., ALFP analysis of 1096
arsenic oxidation by *Thiomonas*, mediation of 492
Artemisia princeps var. *orientalis*, seco-tanapartholides from 7
Aspergillus spp.
  A. niger biochemical mutants, selection of 686
  growth control with antioxidants 279
  lipase gene expression/aflatoxin production 1334
assays
  biological mutagenicity 1175
  fluorescent antibody, on *E. coli* in seawater 225
  PROSPECT STEC microplate 205
  viability 225
  vitamin B2 secretion rapid 1255
  see also detection; rapid techniques
avian taxa of *Pasturellaceae*, new 354
Azospirillum-mediated plant growth promotion and tomato diseases 832

Bacillus spp.
  African locust bean oil degradation 868
  B. anthracis spore detection in soil 728
  B. cereus
    in coffee concentrate 1361
    and vitamin B2 assay 1255
  B. clausii I-52, oxidant/SDS-stable alkaline protease 267
  B. licheniformis α-amylase gene 1250
  B. subtilis
    detection of *gus*-marked L-form bacteria 218
    spore germination with dodecylamine 637
    spore killing 54
    spore osmoresistance mechanisms 167
    spore thermal inactivation, effects of stressors on 135

B. thuringiensis
ser *sotto*, mosquitocidal 982
subsp. *entomocidus*, entomocin from 990
subsp. *kurstaki*, in cloning of *cry1 Ia*-type gene from 23
vip3A genes, full-length *vs* N-truncated 310
BACTEC culture of *M. paratuberculosis* 196
bacteria
characterization of gut mucosal flora 508
inhibition by seco-tanapartholides 7
pathogens, acid tolerance response of 563
probiotic, establishing in grain-fed cattle 621
in river water, analysis of 120
bacteriocins
from *B. thuringiensis* ssp. *entomocidus* HD9 990
from Enterococcus faecium JCM 5804 294
bacteriophages and chlorination evaluation 29
bean sprout internalization of pathogens 719
beef abattoirs, *E.coli* O157:H7 prevalence in 256
beef, ground/minced
E. coli O117/O26 from 949
E. coli O157:H7 in 129
Beijerinckia derxii, plant growth regulators/amino acids from 799
benomyl resistance 861
benzalkonium chloride susceptibility, clonal variation in 1261
beta-tubulins of *Tricoderma virens* 861
β-carotene stability in spray-dried *R. glutinis* 584
β-glucuronidase expression of *gus*-marked L-form *B. subtilis* 218
betaine uptake systems in *L. monocytogenes* 839
β-lactamase gene, novel, from *Enterobacter aerogenes* 744
bifidobacteria
antibacterial activity against *L. monocytogenes* 1058
enhanced cold-/acid-tolerance 146
bile, effects of, on *Lactobacillus* cell membrane 86
biochemical identification of *Vibrio* in seafood 1277
biochemical mutants of *A. niger*, selection of 686
biofilms
allicin against 709
and disinfection of drinking water 288
from end of water distribution system 317
natural, in drinking water 591
bioflavenoids, antiviral activity of 412
biological activity of *Gluconacetobacter diazotrophicus* 528
biological mutagenicity assays 1175
biopreservation using *Leuc. carnosum* 242
bioreactor stirring rate in xylitol production 331
bla_{CMY-10} gene from *Enterobacter aerogenes* 744
Bradyrhizobium spp.
B. japonicum survival during dessication 484
from wild Mediterranean legumes 1367
Burkholderia cepacia complex genovar characterization 1191
Burkholderia cepacia detection 160
Butyrivibrio fibrisolvens establishment in grain-fed cattle 621

Campylobacter spp.
C. jejuni stress tolerance 704
in Danish broilers 649
detection/survival in chicken eggs 1070
fla typing, multi-site 1321
isolation from poultry 234
Candida spp.
C. guilliermondii in xylitol production 331
C. krusei detection in fruit juice 13
C. sake CPA-1 production optimization 301
phospholipids of 883
carbofuran-degrading bacteria 102
carbon source utilization of *Burkholderia cepacia* complex 1191
carnitine uptake systems in *L. monocytogenes* 839
β-carotene stability in spray-dried *R. glutinis* 584
caseinolytic activities of Feta brine isolates 68
cattle
establishing *M.elsdenii*/*B.fibrisolvens* in 621
feedlot
Salmonella spp. in 753
transfer of RREC among 398
STEC 86
cell surface characterization of *K. apiculata* from wine 457
cereals, *P. verrucosum* in 1117
characterization
of *Mucor circinelloides* life cycle 1152
of *Vibrio alginolyticus* from fish 1106
cheese, *L. helveticus* strains from 463
cheese-making, *L. lactis* as adjunct to 1235
chemical uncouplers reducing excess sludge 781
chill tolerance in *L. monocytogenes* 839
chloramphenicol susceptibility in fish pathogens 1008
chlorination evaluation, bacteriophages in 29
chlorine dioxide against *Bacillus subtilis* spores 54
chlorine dioxide and natural biofilms in drinking water 591
chlortetracycline treatment of pigs 1226
cholesterol, effects of, on *Lactobacillus* cell membrane 86
ciprofloxin susceptibility, clonal variation in 1261
citrate synthase gene *csl* 13
Cladosporium spp. and *Salmonella* in tomatoes 437
cloning of novel *cry1 Ia*-type gene 23
Clostridium thermolactium production of acetate 824
cold-tolerance in bifidobacteria 146

Colibert test compared to ISO standard 1285
coliform detection in water, comparison of methods for 1285
commensal human milk bacteria 471
compost, PCR-DGGE of fungi in 934
composting processes, microbial communities in 108
contamination reduction by cleaning/disinfection 1351
continuous culture of human gut bacteria 44
cross-resistance in home bacteria 664
cry1 Ia-type gene, cloning and expression of 23
csl gene 7
cyanidase 1161
cyanide dihydratase/hydratase 1161
cyanide-resistant respiration in spoilage yeasts 364
cystic fibrosis, selective agar for Gram-negative flora in 160

defined substrate test 1285
denaturing gradient gel electrophoresis (DGGE) 108
dessication tolerance
  Ent. sakazakii 967
  L. delbrueckii 1315
  rhizobium 484
detection
  of *Campylobacter* spp. in chicken eggs 1070
  of *E. coli* O111/O26 from minced beef 949
  of *E. coli* O157:H7 in ground beef 129
  of *L. monocytogenes* by PCR 958
  of mutagenic pollution 1175
  of *Salmonella* Enteritidis in foods 1345
  of VTEC by dipstick 380
  see also molecular detection; rapid techniques, detection
diarrhoea and fermented soya beans in piglets 545
dimorphic fungus life cycle, image analysis of 1152
dipsticks for VTEC detection/characterization 380
disinfectant resistance in *Pseudomonas* spp. 874
disinfecting footbaths, *Serratia marcescens* in 186
disinfection
  of drinking water 288, 1268
    and natural biofilms 591
  of *Salmonella* from model kitchen 1351
DNA-based VTEC identification 205
DNA damage in *E. coli*, acclimation/repair of 479
DNA extraction, pre-PCR 1361
DNA fingerprinting
  of *Bradyrhizobium* spp. 1367
  of human *Salmonella* Paratyphi B isolates 1134
dodecylamine, spore germination with 637

ecg genes and enterotoxin SEU 38
electrochemical treatment in early winemaking phases 1087
ELISA in pig *Salmonella* monitoring 1016
enrichment/plating procedure for *E. coli* recovery 949
enteric virus survival in groundwater 536
Enterobacter spp.
  Ent. aerogenes, bla_{CMY-10} gene from 744
  Ent. sakazakii, stress tolerance of 967
  visible faecal contamination of poultry 451
  in vitro antibiotic resistance transfer 437
Enterobacteriaceae enumeration with FISH 1182
enterocins
  enterocin A expression system 390
  from *Enterococcus faecium* JCM 5804 294
Enterococcus spp.
  Ent. faecium JCM 5804, enterocins from 294
  enterocin A expression system 390
enterotoxin SEU from *St. aureus* 38
entomocin 9 from *B. thuringiensis* ssp. *entomocidus* HD9 990
erythromycin resistance determinants, microarray analysis of 787
Escherichia coli
  acclimation/repair of DNA damage in 479
  analysis by TaqMan PCR 612
  and *B. licheniformis* α-amylase gene 1250
  bioluminescent, in bean sprouts 719
  clonal variation in antimicrobial susceptibility 1261
  detection in water, comparison of methods for 1285
  expression of *B. thuringiensis vip3A* gene 310
  gas/indole in confirmation 1242
  O117/O26 from minced beef 949
  O157
    acid tolerance response (ATR) 563
    comparison of pre-enrichment media 155
  O157:H7
    in cattle/on beef 256
    detection in ground beef 129
    quantification of ECC 1304
    survival in yogurt/kefir 631
  rifampicin-resistant (RREC) transfer in feedlot cattle 398
  Shiga toxin-producing (STEC)
    host-associated differences 86
    multiplex PCR identification 1217
    rapid identification of 205
  and tetracycline resistance in pigs 1226
  verotoxigenic (VTEC) 380
    rapid identification of 205
  viability assays 225
  visible faecal contamination of poultry 451
  in vitro antibiotic resistance transfer 428
ethanol production from xylulose 847
ethylene from *B. derxii* 799
exopolysaccharide production
  by *E. coli* O157:H7 1304

by free *vs* immobilized *L. rhamnosus* cells 1049
screening for 1200
extracellular carbohydrate complexes, quantification of 1304

FABMS analysis of *Candida* phospholipids 883
faecal contamination, visible, of poultry 451
faeces, bovine, isolation of *E. coli* O157 from 155
feed efficiency and fermented soya beans in piglets 545
feline calicivirus and lactoferrin/lactoferricin B 1026
fermentation of grape must, control of 1087
fish, characterization of *Vibrio alginolyticus* from 1106
fish pathogens
antibiotic resistance in 1008
detection of *Photobacterium* sp. 1375
FISH seven-hour technique 1182
flavenoids, antiviral activity of 412
flocculation
of *K. apiculata* from wine 457
of yeast and starvation 325
florfenicol susceptibility in fish pathogens 1008
fluorescence *in situ* hybridization *see* FISH
fluorescent antibody assays on *E. coli* in seawater 225
footbaths, *Serratia marcescens* in 186
formulation effect on thiomersal 250
fungal degradation of PU in soil 78
fungi
airborne spores in gyms 904
in compost, analysis of 934
dimorphic life cycle, image analysis of 1152
ochratoxin A-producing in cereals 1117
soil, and *Ps. fluorescens* 1039
see also yeasts

gas in confirmation of *E. coli* 1242
gene clusters, PUFA 1124
gene expression
B. licheniformis gene in *E.coli* 1250
lipase, in *Aspergillus* spp. 1334
regulated, in enterocin regulatory system 390
gene secretion in *B. licheniformis* 1250
gene transfer of *mcd* gene in soil 102
genetically modified *Ps. fluorescens* impact on soil fungi 1039
Geobacillus thermoleovorans α-amylase production optimization 712
Giardia intestinalis, nitrosative stress in 576
Gluconacetobacter diazotrophicus, biological activity of 528
β-glucuronidase expression of *gus*-marked L-form *B. subtilis* 218
glycomacropeptide and pathogen resistance 44
Gram-negative selective media for microflora in cystic fibrosis 160
Gram-negatives in haemodialysis water/renal dialysate 180
grape must fermentation, control of 1087
groundwater, enteric virus survival in 536
growth rate, clonal variation in *E. coli* 1261
gus genes in *Bacillus subtilis* 218
gut mucosal bacteria, human, characterization of 508

haemodialysis water, Gram-negative bacteria in 180
heat stress/tolerance
Ent. sakazakii 967
L. delbrueckii 1315
L. monocytogenes antigen expression 762
Helicobacter pullorum isolated from Danish broilers 649
herbal medicines, antiviral activity of 412
honey, antibacterial activity of 913
hypochlorite against *Bacillus subtilis* spores 54

identification of *Arcobacter* spp. 1096
image analysis
bacteria in river water 120
Mucor circinelloides life cycle 1152
immobilized cell exopolysaccharide production 1049
immunological VTEC identification 205
in vitro antibiotic resistance transfer 428
indole in confirmation of *E. coli* 1242
indoleacetic acid (IAA)
from *Beijerinckia derxii* 799
from *Stenotrophomonas* 656
induction of isomaltulose synthase in *Kleb.* sp. LX3 521
inoculum preparation and *Penicillium chrysogenum* growth 1034
inter-laboratory evaluation of *Campylobacter fla* typing 1321
intestinal bacteria inhibition by seco-tanapartholides 7
inulinase production by *A. niger* mutants 686
isolation
Campylobacter spp. from poultry 234, 649
E. coli O157 from bovine faces 155
Nocardia from soil 677
isomaltulose synthase induction in *Klebsiella* sp. LX3 521

kefir, survival of pathogens in 631
Klebsiella spp.
gas/indole in distinction from *E. coli* 1242
K. sp. LX3, isomaltulose synthase induction in 521
Kloeckera apiculata flocculation from wine 457

laccase promoter sequence isolation in *Pleurotus sajor-caju* 553
α-lactalbumin and pathogen resistance 44
β-lactamase gene, novel, from *Ent. aerogenes* 744
lactic acid bacteria profiling 921

lacticin-producing *L. lactis* in cheese-making 1235
lactobacilli from Feta cheese brine 68
Lactobacillus spp.
  L. alimentarius/*L. farciminis* 1207
  L. buchneri and aerobic stability of silages 1080
  L. casei, osmotic stress and proteolysis in 372
  L. delbrueckii subsp. *bulgaricus*
    EPS production 1200
    heat/dessication tolerance 1315
  L. helveticus strains from Parmigiano Reggiano 463
  L. reuteri, effects of bile salts/cholesterol on membrane 86
  L. rhamnosus exopolysaccharide production 1049
Lactococcus lactis CNRZ481 as cheese-making adjunct 1235
lactoferrin/lactoferricin B and viral infection of cells 1026
legume–rhizobia symbiosis 1367
Leuconostoc carnosum inhibiting *Listeria monocytogenes* 242
lignans, antiviral activity of 412
lipase gene expression in *Aspergillus* spp. 1334
lipid profiles and *Lactobacillus* cell membrane 86
lipolytic activities of Feta brine isolates 68
Listeria monocytogenes
  acid tolerance response (ATR) 563
  antibacterial activity of bifidobacteria against 1058
  antigen expression 762
  factors affecting PCR detection 958
  inhibition by *Leuc. carnosum* 242
  osmotic/chill tolerance 839
  survival in yogurt/kefir 631

marine herbs, antiviral activity of 412
marker gene for enterotoxigenic staphylococci 974
mcd gene transfer in soil 102
medicinal plants, novel antivirals from 412
Megashaera elsdenii establishment in grain-fed cattle 621
Melaleuca alternifolia (tea tree) oil components 853
membrane filtration 1285
MGIT culture of *M. paratuberculosis* 196
micro-organisms, thermal inactivation of 500
microarray analysis of erythromycin resistance determinants 787
microbial communities in composting processes 108
microbial survival curves in water/volatile disinfectant 1268
microbiological contamination of gyms 904
microbiological methods, comparison of 1285
milk bacteria, human, inhibition of *St. aureus* by 471
milk proteins and pathogen resistance 44
mixed culture production of acetate 824
mixed culture profiling with PCR-DGGE 921
modelling
  efficacy of antimicrobial combinations 734
  stresses on thermal inactivation of spores 129
  water disinfection 1268
molecular characterization of *Aeromonas* spp. 1001
molecular detection
  B. cereus in coffee concentrate 1361
  B. subtilis, *gus*-marked L-form 218
  C. krusei citrate synthase gene *cs1* 13
mosquitocidal *B. thuringiensis* characterization 982
moulds and *Salmonella* in tomatoes 437
Mucor circinelloides life cycle 1152
multicolour digital image analysis of bacteria in river water 120
mutagenic pollution, detection of 1175
Mutatox test 1175
Mycobacterium avium subsp. *paratuberculosis* from milk 196

NASBA *see* nucleic acid sequence-based amplification
nitrilase family of CN hydrolysing enzymes 1161
nitrosative stress in *Giardia intestinalis* 576
  Nocardia isolation from soil 677
NSLAB inhibition by *L. lactis* 1235
nucleic acid sequence-based amplification 1345

ochratoxin A-producing fungi in cereals 1117
Oenococcus typing by multiplex RAPD-PCR 338
oligostilbenes, antiviral activity of 412
omp U genes in *Vibrio cholerae* 338
on-line image analysis of *Mucor circinelloides* life cycle 1152
optimization
  α-amylase production 712
  Candida sake production 301
osmotic stress/tolerance
  B. subtilis spores 167
  L. monocytogenes 839
  antigen expression 762
  and proteolysis in *Lactobacillus* 372
outer membrane protein vaccination of chicken 142

Paenibacillus peoriae, antimicrobial activity of 1143
pathogen resistance and milk proteins 44
pathogens
  bacterial, acid tolerance response of 563
  internalization in bean sprouts 719
PCR
  amplified flanking region (AFR-PCR) 553
  B. anthracis spore detection in soil 728
  B. cereus detection in coffee concentrate 1361
  detection
    of *L. monocytogenes* 958
    of *Photobacterium* sp. 1375
  evaluation of primers 934

identification
of campylobacteria 649
of *Vibrio harveyi* 1293
multiplex (mPCR) for STEC identification 1217
multiplex RAPD-PCR typing 338
PCR-DGGE
analysis of fungi in compost 934
profiling mixed lactic acid bacteria cultures 921
PCR-RFLP
analysis of Aeromonas spp. 1001
Campylobacter fla typing 1321
identification of *L.alimentarius/L.farciminis* 1207
RT-PCR
amplification of *cry1 Ia*-type gene 23
detection of *cs1* 13
TaqMan analysis of environmental *E. coli* 612
toxR-targeted primers 602
Penicillium spp.
P. chrysogenum growth, influence of inoculum on 1034
P. verrucosum in cereals 1117
peptides in *Lactobacillus* osmoregulation 372
pesticide-degrading bacteria and *mcd* gene transfer 102
PFGE analysis
of *Aeromonas* spp. 1001
of *S.* Enteritidis in Malaysia 773
of *S.* Paratyphi B 1134
pH
and antimicrobial activities of actinomycetes 814
and inactivation of *B. subtilis* spores 135
phospholipids of *Candida* spp. 883
Photobacterium damselae ssp. *piscicidia* 1375
phytotherapy and clinical trial 412
pigs/piglets
carcass contamination with *Salmonella* 891
effect of fermented soya beans on diarrhoea in 545
pooled sample *Salmonella* monitoring in 1016
tetracycline-resistant *Salmonella/E. coli* in 1226
plant growth
effects of Stenotrophomonas 656
promotion and bacterial tomato diseases 832
regulators from B. derxii 799
plasmid-encoded β-lactamase, novel 744
Plesiomonas shigelloides, vacuolating cytotoxin of 273
Pleurotus sajor-caju, laccase promoter sequence isolation in 553
poliovirus and lactoferrin/lactoferricin B 1026
polyamines from *B. derxii* 799
polyester polyurethane degradation 78
polymerase chain reaction (PCR) *see* PCR
polyunsaturated fatty acid-producing *Shewanella* 1124
pooled sample pig *Salmonella* monitoring 1016
postharvest control agent production 301
poultry
Campylobacter spp. in chicken eggs 1070
isolation of Campylobacter from 234
isolation of campylobacteria 649
visible faecal contamination of 451
pre-enrichment media for isolation of *E. coli* O157 155
Premier EHEC test kit 205
probiotic lactic acid bacteria production 921
propolis, antibacterial activity of 913
PROSPECT STEC microplate assay 205
proteolytic activities of Feta brine isolates 68
proteolytic enzymes in *Lactobacillus* osmoregulation 372
Pseudomonas spp.
Ps. aeruginosa
detection 160
formulation effect of thiomersal against 250
Ps. fluorescens impact on soil fungi 1039
resistance to quarternary ammonium compounds 874

quantification of extracellular carbohydrate complexes 1304
QuantiTray test compared to ISO standard 1285
quaternary ammonium compounds, resistance to 874

RAPD-PCR, multiplex, *Oenococcus* typing by 338
rapid techniques
detection
of anthrax spores in soil 728
E. coli sample preparation 129
of *Photobacterium damselae* ssp. *piscicidia* 1375
of *Salmonella* Enteritidis 1345
of VTEC 380
determination of vitamin B_2 secretion 1255
dipstick detection/characterization of VTEC 380
identification
of *E. coli* VTEC/STEC 205
of *Vibrio harveyi* 1293
renal dialysate, Gram-negative bacteria in 180
rhizobia–legume symbiosis 1367
rhizobia survival during dessication 484
Rhodotorula glutinis, spray drying of 584
ribD gene 1255
ribotyping of *A. niger* strains 693
Ridascreen test kit 205
rifampicin-resistant *E. coli* transfer in cattle 398
RT-PCR *see under* PCR
rumen degradability of silages 1080

Saccharomyces cerevisiae
recombinant, producing ethanol from xylulose 847

starvation and loss of flocculation 325
safety evaluation of enterocin 9 producer 990
safety of yogurt/kefir 631
salinity
and antimicrobial activities of actinomycetes 814
see also osmotic stress/tolerance
Salmonella spp.
antimicrobial resistance to, in feedlot cattle 753
contamination reduction by cleaning/disinfection 1351
and moulds in tomatoes 437
on pig carcasses during slaughtering 891
pooled samples for monitoring pig herds 1016
S. Enteritidis
in chicken, reducing colonization of 142
genetic diversity of human isolates 773
NASBA for rapid detection 1345
S. Montevideo in bean sprouts 719
S. Paratyphi B 1134
S. Typhimurium
acid tolerance response (ATR) 563
tetracycline resistance in pigs 1226
in vitro antibiotic resistance transfer 428
sar staphylococcal accessory gene 974
screening for exopolysaccharide producers 1200
seco-tanapartholides inhibiting bacteria 7
SEIKEN VTEC-Screen 205
selection
of biochemical mutants of *A. niger* 686
of exopolysaccharide producers 1200
Serratia marcescens in footbaths 186
sesquiterpine lactones 7
SEU enterotoxin from *St. aureus* 38
sheep STEC 86
Shewanella, polyunsaturated fatty acid-producing 1124
Shiga toxin colony immunoblot 205
Shiga toxin-producing *E. coli see under Escherichia coli*
signal peptides in gene expression/secretion 1250
silages, improving aerobic stability of 1080
slaughterhouse contamination
of pig carcasses 891
of poultry 451
sodium chloride and inactivation of *B. subtilis* spores 135
soil water holding capacity (WHC) and PU degradation 78
soumbala, *Bacillus* spp. isolated from 868
soya beans, fermented, and diarrhoea in piglets 545
spores
airborne fungal, in gyms 904
detection in soil by PCR 728
germination with dodecylamine 637
killing by hypochlorite/chlorine dioxide 54
osmoresistance of 167
preparation and *Penicillium chrysogenum* growth 1034
thermal inactivation 129
effect of stressors 135
spray drying and β-carotene stability in *R. glutinis* 584
Staphylococcus spp.
enterotoxigenic, marker gene for 974
S. aureus
effects of honey/propolis 913
enterotoxin SEU from 38
erythromycin determinants 787
formulation effect of thiomersal against 250
inhibition by human milk bacteria 471
S. epidermidis, allicin against 709
starter cultures, *L. helveticus* strains from 463
starvation and loss of flocculation 325
Stenotrophomonas spp.
dose-dependent effects on plant growth 656
S. maltophilia detection 160
stress induction of cyanide-resistant respiration 364
stress tolerance
in *C.jejuni*, novel mechanism for 704
in *Enterobacter sakazakii* 967
stressors, effect of
on cold-/acid-tolerance of bifidobacteria 146
on *L. monocytogenes* antigen expression 762
on thermal inactivation of *B. subtilis* spores 135
sucrose-gradient centrifugation for *Nocardia* isolation 677
survival
Aeromonas in microcosm water 807
Campylobacter spp. in chicken eggs 1070
enteric virus in groundwater 536
microbial survival curves in volatile disinfectant 1268
pathogens in yogurt/kefir 631
rhizobia during dessication 484
synergism in novel antiviral agents 412

TaqMan analysis of environmental *E. coli* 612
taxa of *Pasturellaceae*, new avian 354
TCBS agar plating of *Photobacterium* 1375
tea tree oil, antifungal activity of components of 853
temperature and inactivation of *B. subtilis* spores 135
tetracycline resistance/susceptibility
clonal variation 1261
in pigs 1226
thermal inactivation
of *B. subtilis* spores 129
of micro-organisms 500
thermophilic production of acetate in mixed culture 824
thiomersal, formulation effect on 250

Thiomonas mediation of arsenic oxidation 492
tissue culture VTEC identification 205
tomato spoilage
  effects of *Azospirillum* on bacterial diseases 832
  with proteolytic moulds/*Salmonella* 437
toxR gene, partial, from *Vibrio harveyi* 602
trehalose
  and dessication tolerance
    Enterobacter sakazakii 967
    L. delbrueckii subsp. *bulgaricus* 1315
    rhizobium 484
  and heat tolerance 1315
Trichoderma virens beta-tubulins, mutated 861

vaccination of chicken with outer membrane proteins 142
vacuolating cytotoxin of *Plesiomonas shigelloides* 273
Verotoxin colony immunoblot 205
viability staining of *E. coli* in seawater 225
Viatatox Teat System 1175
Vibrio spp.
  in seafood, isolation/identification of 1277
  in turbot, isolation/characterization of 693
  V. alginolyticus characterization 1106, 1293
  *V. cholerae, omp*U genes in 338
  V. harveyi
    mutagenicity assay 1175
    partial *toxR* gene from 602
    rapid identification 1293
vip3A genes, full-length *vs* N-truncated 310
viral infection of cells and lactoferrin/lactoferricin B 1026
virulence factor genes
  in Aeromonas spp. 1001
  in environmental E. coli 612
  of *Plesiomonas shigelloides* 273
  in STEC 1217
virus survival in groundwater 536
vitamin B_2 secretion rapid assay 1255

water
  disinfectant, microbial survival curves in 1268
  distribution system, end of 317
  drinking, disinfection of 288
  drinking, natural biofilms in 591
  environmental, Enterobacteriaceae enumeration in 1182
  groundwater, enteric virus survival in 536
  microcosm, growth /survival of *A. hydrophilia* in 807
  river, bacterial analysis of 120
  sea, E. coli viability assays in 225
water holding capacity (WHC) of soil and PU degradation 78
wine, flocculation of *K. apiculata* from 457

xylitol production in bioreactor 331
xylose, high concentration, fermentation of 331
xylulokinase activity on ethanol production from xylulose 847
xylulose, ethanol production from 847

yeasts
  isolates from Feta cheese brine 68
  spoilage, cyanide-resistant respiration in 364
Yersinia enterocolitica survival in yogurt/kefir 631
yogurt, survival of pathogens in 631